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㉗ Applicant : **DEVICES FOR VASCULAR
INTERVENTION, INC.**
595 Penobscot Drive
Redwood City, CA 94063 (US)

㉘ Inventor : Lonsbury, Michael T.
1662 Hololenbeck Avenue, Apt. 14
Sunnyvale, California 94087 (US)
Inventor : Jaraczewski, Richard S.
10040 Tesla Road
Livermore, California 94550 (US)
Inventor : Co, Fred H.
622 Bucher Avenue
Santa Clara, California 95051 (US)

㉙ Representative : Harrison, David Christopher
et al
MEWBURN ELLIS 2 Cursitor Street
London EC4A 1BQ (GB)

㉚ Guiding catheter having soft tip.

㉛ A vascular guiding catheter comprises an inner tubular member having a torque transmitting member formed over a major portion thereof and a soft polymeric tip formed at the distal end thereof. The torque transmitting member provides the characteristics of torsional stiffness and axial flexibility which are necessary to be able to introduce the catheter to the vascular system. The soft polymeric tip reduces the likelihood that the catheter can injure the blood vessel and provides a convenient location for the inclusion of perfusion ports. A reinforcement layer (42) is provided over a transition region (38) between the termination of the torque transmitting member (34) and the soft distal tip (40). Optionally, reinforcement layers may be provided elsewhere along the length of the catheter.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 93 30 0860

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP-A-0 303 487 (C.R. BARD, INC.) * abstract; figures *	1-10	A61M25/00
A	EP-A-0 277 366 (ADVANCED CARDIOVASCULAR SYSTEMS, INC.) * column 3, line 7 - column 4, line 43; figures *	1-10	
A	US-A-5 061 257 (MARTINEZ ET AL.) * abstract; figures *	1-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A61M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02 AUGUST 1993	Examiner MIR Y GUILLEN V.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document</p>			